

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
15 February 2001 (15.02.2001)

PCT

(10) International Publication Number  
**WO 01/10409 A1**

(51) International Patent Classification<sup>7</sup>: **A61K 9/08**, 31/573, A61P 37/08

(21) International Application Number: **PCT/JP00/05200**

(22) International Filing Date: 3 August 2000 (03.08.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
9918559.7 7 August 1999 (07.08.1999) GB

(71) Applicant (*for all designated States except US*): **GLAXO WELLCOME KABUSHIKI KAISHA [JP/JP]**; Shinjuku Maynds Tower, 1-1, Yoyogi 2-chome, Shibuya-ku, Tokyo 151-8566 (JP).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **AKUTSU, Rika [JP/JP]**; 786, Shionomuromachi, Imaichi-shi, Tochigi 321-2351 (JP). **HOSOYA, Kenji [JP/JP]**; 2-6-20-401, Minamiohdohri, Utsunomiya-shi, Tochigi 321-0963 (JP). **KAWAMURA, Koho [JP/JP]**; 1241-14, Imaichi, Imaichi-shi, Tochigi 321-1261 (JP). **MISHIMA, Yasuhiro [JP/JP]**; 1-13, Saiwaicho, Utsunomiya-shi, Tochigi 320-0848 (JP). **ONOZAKI, Tomohisa [JP/JP]**; 2-38-4, Toyosatodai, Utsunomiya-shi, Tochigi 320-0003 (JP).

(74) Agents: **SUZUYE, Takehiko et al.**; Suzuye & Suzuye, 7-2, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo 100-0013 (JP).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published:**

- *With international search report.*
- *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**WO 01/10409 A1**

(54) Title: AQUEOUS NASAL FORMULATION

(57) Abstract: The present invention provides an aqueous nasal formulation comprising beclomethasone dipropionate anhydride for use in the treatment of respiratory disorders.